

Title (en)
SYNTHETIC POROUS CRYSTALLINE MATERIAL, ITS SYNTHESIS AND USE

Title (de)
Synthetisches, poröses, kristallines Material, seine Synthese sowie Verwendung

Title (fr)
MATIERE CRISTALLINE POREUSE DE SYNTHESE, SYNTHESE DE CETTE MATIERE ET UTILISATION

Publication
EP 0597954 B1 20000419 (EN)

Application
EP 92916692 A 19920722

Priority
• US 9206098 W 19920722
• US 73482591 A 19910724

Abstract (en)
[origin: WO9302013A1] This invention relates to a new synthetic porous crystalline material and its use thereof as a sorbent and a catalyst for the conversion of organic and inorganic compounds. The new crystalline material exhibits a large sorption capacity demonstrated by a benzene adsorption capacity of greater than about 10 grams benzene/100 grams at 50 torr and 25 DEG C and a particular, unique X-ray diffraction pattern.

IPC 1-7
C01B 33/00; **B01J 29/00**

IPC 8 full level
C01B 39/04 (2006.01); **B01D 53/86** (2006.01); **B01J 20/02** (2006.01); **B01J 20/06** (2006.01); **B01J 29/03** (2006.01); **B01J 29/035** (2006.01); **B01J 29/04** (2006.01); **B01J 29/40** (2006.01); **B01J 29/70** (2006.01); **B01J 29/82** (2006.01); **B01J 29/83** (2006.01); **B01J 29/85** (2006.01); **C01B 37/00** (2006.01); **C01B 37/02** (2006.01); **C01B 37/08** (2006.01); **C01B 39/00** (2006.01); **C10G 11/02** (2006.01); **C10G 11/05** (2006.01); **C10G 11/06** (2006.01); **C10G 47/16** (2006.01)

CPC (source: EP US)
B01D 53/8628 (2013.01 - EP US); **B01J 20/06** (2013.01 - EP US); **B01J 29/0308** (2013.01 - EP US); **B01J 29/035** (2013.01 - EP US); **B01J 29/04** (2013.01 - EP US); **B01J 29/041** (2013.01 - EP US); **B01J 29/40** (2013.01 - EP US); **B01J 29/70** (2013.01 - EP US); **B01J 29/82** (2013.01 - EP US); **B01J 29/83** (2013.01 - EP US); **B01J 29/85** (2013.01 - EP US); **C01B 37/00** (2013.01 - EP US); **C01B 37/02** (2013.01 - EP US); **C01B 37/08** (2013.01 - EP US); **C01B 39/00** (2013.01 - EP US); **C10G 11/05** (2013.01 - EP US); **C10G 47/16** (2013.01 - EP US); **B01J 2229/26** (2013.01 - EP US); **B01J 2229/32** (2013.01 - EP US); **B01J 2229/34** (2013.01 - EP US); **B01J 2229/36** (2013.01 - EP US); **B01J 2229/40** (2013.01 - EP US); **B01J 2229/42** (2013.01 - EP US); **Y10S 423/30** (2013.01 - EP US)

Designated contracting state (EPC)
BE DE DK FR GB IT NL SE

DOCDB simple family (publication)
WO 9302013 A1 19930204; AU 2383792 A 19930223; AU 663885 B2 19951026; CA 2112117 A1 19930204; CA 2112117 C 20030506; DE 69230937 D1 20000525; DE 69230937 T2 20000817; DK 0597954 T3 20000717; EP 0597954 A1 19940525; EP 0597954 A4 19941228; EP 0597954 B1 20000419; JP 2000512608 A 20000926; JP 3485565 B2 20040113; US 5198203 A 19930330

DOCDB simple family (application)
US 9206098 W 19920722; AU 2383792 A 19920722; CA 2112117 A 19920722; DE 69230937 T 19920722; DK 92916692 T 19920722; EP 92916692 A 19920722; JP 50303993 A 19920722; US 73482591 A 19910724